

Main Criteria: Alaska Content and Performance Standards

Secondary Criteria: Virtual Field Trips

Subjects: Science, Social Studies

Grade: 9

Correlation Options: Show Correlated

Alaska Content and Performance Standards

Science

Grade: 9 - Adopted: 2006

PERFORMANCE / CONTENT STANDARD	AK.C1.	Concepts of Life Science (SC1, SC2, SC3)
GRADE LEVEL EXPECTATION / STRAND	[9] SC1.3.	The student demonstrates an understanding of how science explains changes in life forms over time, including genetics, heredity, the process of natural selection and biological evolution by inferring evolutionary pathways from evidence (e.g., fossils, geologic samples, recorded history). <u>Virtual Field Trips</u> National Parks of the Western Region - Part 1
GRADE LEVEL EXPECTATION / STRAND	[9] SC2.1.	The student demonstrates an understanding of the structure, function, behavior, development, life cycles, and diversity of living organisms by describing and comparing the characteristics of phyla/divisions from each kingdom. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol
GRADE LEVEL EXPECTATION / STRAND	[9] SC3.3.	The student demonstrates an understanding that all organisms are linked to each other and their physical environments through the transfer and transformation of matter and energy by identifying dynamic factors (e.g., carrying capacity, limiting factors, biodiversity, and productivity) that affect population size. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol
PERFORMANCE / CONTENT STANDARD	AK.D1.	Concepts of Earth Science (SD1, SD2, SD3, SD4)
GRADE LEVEL EXPECTATION / STRAND	[9] SD1.2.	The student demonstrates an understanding of geochemical cycles by applying knowledge of the water cycle to explain changes in the Earth's surface. <u>Virtual Field Trips</u> National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1
GRADE LEVEL EXPECTATION / STRAND	[9] SD2.1.	The student demonstrates an understanding of the forces that shape Earth by recognizing the dynamic interaction of erosion and deposition including human causes. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol National Parks - West - Alaska & Hawaii National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1
GRADE LEVEL EXPECTATION / STRAND	[9] SD2.2.	The student demonstrates an understanding of the forces that shape Earth by describing how the theory of plate tectonics explains the dynamic nature of its surface. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol National Parks West - Wyoming, Utah

GRADE LEVEL EXPECTATION / STRAND	[9] SD3.2.	The student demonstrates an understanding of cycles influenced by energy from the sun and by Earth's position and motion in our solar system by explaining the phenomena of the aurora. <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii
PERFORMANCE / CONTENT STANDARD	AK.E1.	Science and Technology (SE1, SE2, SE3)
GRADE LEVEL EXPECTATION / STRAND	[9] SE3.1.	The student demonstrates an understanding of how scientific discoveries and technological innovations affect our lives and society by predicting and evaluating the possible effects of a recent scientific discovery, invention, or scientific breakthrough. (L) <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
PERFORMANCE / CONTENT STANDARD	AK.F1.	Cultural, Social, Personal Perspectives, and Science (SF1, SF2, SF3)
GRADE LEVEL EXPECTATION / STRAND	[9] SF1.1-SF3.1.	The student demonstrates an understanding of the dynamic relationships among scientific, cultural, social, and personal perspectives by describing the scientific principles involved in a subsistence activity (e.g., hunting, fishing, gardening). (L), Cross referenced with SA3.1, grade 8 <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
PERFORMANCE / CONTENT STANDARD	AK.G1.	History and Nature of Science (SG1, SG2,SG3, SG4)
GRADE LEVEL EXPECTATION / STRAND	[9] SG1.1.	The student demonstrates an understanding of changes in historical perspectives of science by identifying those perspectives (i.e., cultural, political, religious, philosophical) that have impacted the advancement of science. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
GRADE LEVEL EXPECTATION / STRAND	[9] SG2.1.	The student demonstrates an understanding of the bases of the advancement of scientific knowledge by explaining the importance of innovations (i.e., microscope, immunization, computer). <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
PERFORMANCE / CONTENT STANDARD	AK.SC.	Concepts of Life Science: A student should understand and be able to apply the concepts, models, theories, facts, evidence, systems, and processes of life science. A student who meets the content standard should:
GRADE LEVEL EXPECTATION / STRAND	SC1.	Develop an understanding of how science explains changes in life forms over time, including genetics, heredity, the process of natural selection, and biological evolution. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol
GRADE LEVEL EXPECTATION / STRAND	SC2.	Develop an understanding of the structure, function, behavior, development, life cycles, and diversity of living organisms. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol La Selva Amazonica - Pte 1 (En Espagnol) National Parks West - Nevada, California National Parks West - Wyoming, Utah The Amazon Rainforest - Part 1 - Older Grades
GRADE LEVEL EXPECTATION / STRAND	SC3.	Develop an understanding that all organisms are linked to each other and their physical environments through the transfer and

		transformation of matter and energy. <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
PERFORMANCE / CONTENT STANDARD	AK.SD.	Concepts of Earth Science: A student should understand and be able to apply the concepts, processes, theories, models, evidence, and systems of earth and space sciences. A student who meets the content standard should:
GRADE LEVEL EXPECTATION / STRAND	SD1.	Develop an understanding of Earth's geochemical cycles. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
GRADE LEVEL EXPECTATION / STRAND	SD2.	Develop an understanding of the origins, ongoing processes, and forces that shape the structure, composition, and physical history of the Earth. <u>Virtual Field Trips</u> Galapagos Islands - Espagnol National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1
PERFORMANCE / CONTENT STANDARD	AK.SE.	Science and Technology: A student should understand the relationships among science, technology, and society. A student who meets the content standard should:
GRADE LEVEL EXPECTATION / STRAND	SE1.	Develop an understanding of how scientific knowledge and technology are used in making decisions about issues, innovations, and responses to problems and everyday events. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
GRADE LEVEL EXPECTATION / STRAND	SE3.	Develop an understanding of how scientific discoveries and technological innovations affect and are affected by our lives and cultures <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
PERFORMANCE / CONTENT STANDARD	AK.SF.	Cultural, Social, Personal Perspectives and Science: A student should understand the dynamic relationships among scientific, cultural, social, and personal perspectives. A student who meets the content standard should:
GRADE LEVEL EXPECTATION / STRAND	SF1.	Develop an understanding of the interrelationships among individuals, cultures, societies, science, and technology. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
GRADE LEVEL EXPECTATION / STRAND	SF2.	Develop an understanding that some individuals, cultures, and societies use other beliefs and methods in addition to scientific methods to describe and understand the world. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
PERFORMANCE / CONTENT STANDARD	AK.SG.	History and Nature of Science: A student should understand the history and nature of science. A student who meets the content standard should:
GRADE LEVEL EXPECTATION / STRAND	SG1.	Develop an understanding that historical perspectives of scientific explanations demonstrate that scientific knowledge changes over time, building on prior knowledge.

		<u>Virtual Field Trips</u> Galapagos Islands - Espagnol National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1
GRADE LEVEL EXPECTATION / STRAND	SG3.	Develop an understanding that scientific knowledge is ongoing and subject to change as new evidence becomes available through experimental and/or observational confirmation(s). <u>Virtual Field Trips</u> Galapagos Islands - Espagnol National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1

Alaska Content and Performance Standards

Social Studies

Grade: 9 - Adopted: 2006

PERFORMANCE / CONTENT STANDARD	AK.A.	Geography: A student should be able to make and use maps, globes, and graphs to gather, analyze, and report spatial (geographic) information. A student who meets the content standard should:
GRADE LEVEL EXPECTATION / STRAND	A.4.	Use graphic tools and technologies to depict and interpret the world's human and physical systems. <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 Paris - City of Light - Grades 6 - 12 Paris - La Ville Lumiere (En Francais)
GRADE LEVEL EXPECTATION / STRAND	A.5.	Evaluate the importance of the locations of human and physical features in interpreting geographic patterns. <u>Virtual Field Trips</u> Barcelona - English Barcelona - Espagnol La Selva Amazonica - Pte 1 (En Espagnol) National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 Paris - City of Light - Grades 6 - 12 Paris - La Ville Lumiere (En Francais) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
PERFORMANCE / CONTENT STANDARD	AK.B.	Geography: A student should be able to utilize, analyze, and explain information about the human and physical features of places and regions. A student who meets the content standard should:
GRADE LEVEL EXPECTATION / STRAND	B.1.	Know that places have distinctive geographic characteristics. <u>Virtual Field Trips</u> Barcelona - English Barcelona - Espagnol La Selva Amazonica - Pte 1 (En Espagnol) National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah

		National Parks of the Western Region - Part 1 Paris - City of Light - Grades 6 - 12 Paris - La Ville Lumiere (En Francais) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
GRADE LEVEL EXPECTATION / STRAND	B.3.	Relate how people create similarities and differences among places. <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
GRADE LEVEL EXPECTATION / STRAND	B.4.	Discuss how and why groups and individuals identify with places. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
GRADE LEVEL EXPECTATION / STRAND	B.5.	Describe and demonstrate how places and regions serve as cultural symbols, such as the Statue of Liberty. <u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
GRADE LEVEL EXPECTATION / STRAND	B.7.	Understand that a region is a distinct area defined by one or more cultural or physical features. <u>Virtual Field Trips</u> Barcelona - English Barcelona - Espagnol La Selva Amazonica - Pte 1 (En Espagnol) National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 Paris - City of Light - Grades 6 - 12 Paris - La Ville Lumiere (En Francais) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades Washington, DC - Grades 6 - 12
PERFORMANCE / CONTENT STANDARD	AK.C.	Geography: A student should understand the dynamic and interactive natural forces that shape the earth's environments. A student who meets the content standard should:
GRADE LEVEL EXPECTATION / STRAND	C.1.	Analyze the operation of the earth's physical systems, including ecosystems, climate systems, erosion systems, the water cycle, and tectonics. <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
PERFORMANCE / CONTENT STANDARD	AK.D.	Geography: A student should understand and be able to interpret spatial (geographic) characteristics of human systems, including migration, movement, interactions of cultures, economic activities, settlement patterns, and political units in the state, nation, and world. A student who meets the content standard should:
GRADE LEVEL EXPECTATION / STRAND	D.1.	Know that the need for people to exchange goods, services, and ideas creates population centers, cultural interaction, and transportation and communication links.

		<u>Virtual Field Trips</u> The Amazon Rainforest - Part 2 - Older Grades
PERFORMANCE / CONTENT STANDARD	AK.E.	Geography: A student should understand and be able to evaluate how humans and physical environments interact. A student who meets the content standard should:
GRADE LEVEL EXPECTATION / STRAND	E.5.	Analyze the consequences of human modification of the environment and evaluate the changing landscape. <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
PERFORMANCE / CONTENT STANDARD	AK.F.	Geography: A student should be able to use geography to understand the world by interpreting the past, knowing the present, and preparing for the future. A student who meets the content standard should:
GRADE LEVEL EXPECTATION / STRAND	F.1.	Analyze and evaluate the impact of physical and human geographical factors on major historical events. <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
PERFORMANCE / CONTENT STANDARD	AK.B.	Government and Citizenship: A student should understand the constitutional foundations of the American political system and the democratic ideals of this nation. A student who meets the content standard should:
GRADE LEVEL EXPECTATION / STRAND	B.3.	Understand the United States Constitution, including separation of powers, the executive, legislative, and judicial branches of government, majority rule, and minority rights. <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12
PERFORMANCE / CONTENT STANDARD	AK.A.	History: A student should understand that history is a record of human experiences that links the past to the present and the future. A student who meets the content standard should:
GRADE LEVEL EXPECTATION / STRAND	A.6.	Know that cultural elements, including language, literature, the arts, customs, and belief systems, reflect the ideas and attitudes of a specific time and know how the cultural elements influence human interaction. <u>Virtual Field Trips</u> Jerusalem - Then and Now (Older Grades) La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
GRADE LEVEL EXPECTATION / STRAND	A.7.	Understand that history is dynamic and composed of key turning points. <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12
GRADE LEVEL EXPECTATION / STRAND	A.8.	Know that history is a bridge to understanding groups of people and an individual's relationship to society. <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1
PERFORMANCE / CONTENT STANDARD	AK.B.	History: A student should understand historical themes through factual knowledge of time, places, ideas, institutions, cultures,

		people, and events. A student who meets the content standard should:
GRADE LEVEL EXPECTATION / STRAND	B.1.	Comprehend the forces of change and continuity that shape human history through the following persistent organizing themes:
GOAL	B.1.b.	Human communities and their relationships with climate, subsistence base, resources, geography, and technology. <u>Virtual Field Trips</u> La Selva Amazonica - Pte 1 (En Espagnol) The Amazon Rainforest - Part 1 - Older Grades The Amazon Rainforest - Part 2 - Older Grades
GOAL	B.1.c.	The origin and impact of ideologies, religions, and institutions upon human societies. <u>Virtual Field Trips</u> Jerusalem - Then and Now (Older Grades)
GRADE LEVEL EXPECTATION / STRAND	B.2.	Understand the people and the political, geographic, economic, cultural, social, and environmental events that have shaped the history of the state, the United States, and the world. <u>Virtual Field Trips</u> Washington, DC - Grades 6 - 12
PERFORMANCE / CONTENT STANDARD	AK.D.	History: A student should be able to integrate historical knowledge with historical skill to effectively participate as a citizen and as a lifelong learner. A student who meets the content standard should:
GRADE LEVEL EXPECTATION / STRAND	D.6.	Create new approaches to issues by incorporating history with other disciplines, including economics, geography, literature, the arts, science, and technology. <u>Virtual Field Trips</u> National Parks - West - Alaska & Hawaii National Parks West - Nevada, California National Parks West - Wyoming, Utah National Parks of the Western Region - Part 1 Paris - City of Light - Grades 6 - 12 Paris - La Ville Lumiere (En Francais)